

# IC Recorder

# Operating Instructions

### Owner's Record

The model number is located at the rear and the serial number is located inside the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. ICD-P110/P210

Serial No. \_

# **IC** Recorder ICD-P110/P210

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http://www.sony.net/

# Information

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

## For the customers in the U.S.A.

## INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause armful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment

If you have any questions about this product, you may call: Sony Customer Information Services Center 1-800-222-7669 or http://www.sony.com/

**Declaration of Conformity** Trade Name: ICD-P110/P210 Model:

Responsible Party: Sony Electronics Inc

16450 W. Bernardo Dr, San Diego, CA Telephone Number: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

# **Precautions**

• Operate the unit only on 3 V DC. Use two LR03 (size AAA) alkaline batteries.

# • Do not operate the unit while driving, cycling or operating

- Do not leave the unit in a location near heat sources, or in a
- Should any solid object or liquid fall into the unit, remove the batteries and have the unit checked by qualified personnel before operating it any further.

place subject to direct sunlight, excessive dust or mechanical

- Noise may be heard when the unit is placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback.
- Noise may be recorded when an object, such as your finger, etc., rubs or scratches the unit during recording.

. To clean the exterior, use a soft cloth slightly moistened in water. Do not use alcohol, benzine or thinner.

If you have any questions or problems concerning your unit please consult your nearest Sony dealer.

# **Backup recommendations**

To avoid potential risk of data loss caused by accidental operation or malfunction of the IC recorder, we recommend that you save a backup copy of your recorded messages on a tape recorder or to a computer, etc.

# **Troubleshooting**

Before taking the unit for repair, check the following sections. Should any problem persist after you have made these checks, consult your nearest Sony dealer.

## The unit does not operate.

- · The batteries have been inserted with incorrect
- The buttons are locked with the HOLD switch. (If you press any button, "HOLD" will flash three

## No sound comes from the speaker.

• The ear receiver or headphones are plugged in. · The volume is turned down completely

# "FULL" is displayed and you cannot start

The memory is full. Erase some of the messages. 99 messages has been recorded in the selected folder. Select another folder or erase some of the

## Noise is heard.

- · An object, such as your finger, etc., accidentally rubbed or scratched the unit during recording so that noise was recorded.
- The unit was placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback.
- · Plug of the connected microphone was dirty when recording. Clean the plug.
- · Ear receiver/headphones plug is dirty. Clean the

## Recording level is low. Slide MIC SENS to "HIGH"

# Recording is interrupted.

The advanced VOR function is activated. Set VOR

# Recording level is unstable (when recording

- music, etc.). • This unit is designed to automatically adjust the recording level when recording meetings, etc., and is not suitable for music recording
- "--Y--M--D" or "--:-" is displayed.

# "--Y--M--D" or "--:--" is displayed on the REC DATE display.

The date and time of recording will not be displayed if you recorded the message when the clock was not set.

# You cannot divide a message.

- · You cannot divide a message in a folder which has
- If you divide messages frequently, the unit may become unable to divide a message
- You cannot divide a message in the first or the last 1 second of a message

maximum recording time.

# You cannot record messages up to the

- · If you record messages in a mixture of HQ, SP and LP modes, the recordable time varies from the maximum HQ mode recording time to the
- maximum LP mode recording time. • No more recording can be made when 99 messages
- each have been recorded in a folder. Due to the limitation of the IC recording system. this unit records in the minimum recording unit. If the length of each message cannot be divided by the minimum recording unit, the remaining recording time may decrease by more than the total length of the messages.

## The remaining time displayed in the display window is shorter than that displayed in the supplied "Digital Voice Editor" software.

• The unit requires a certain amount of memory for system operation. That amount is subtracted from the remaining time, which is the reason for the

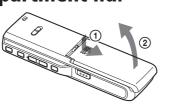
## The unit does not operate correctly. · Take out the battery and insert it again.

Please note that recorded messages may be erased during service or repair work.

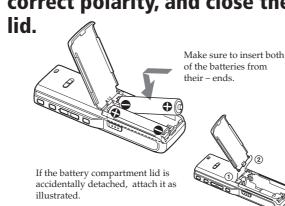
## ► Getting started

# Step 1: Installing the Batteries

# Slide and lift the battery compartment lid.



**Insert two LR03 (size AAA)** alkaline batteries with correct polarity, and close the



Clock setting display appears when you insert batteries for the first time, or when you insert batteries after the unit has been without batteries for a certain period of time. Please refer to Steps 2 to 3 in "Step 2: Setting the Clock" to set the

## Replacing the batteries The battery indicator on the display

window shows the battery

condition When flashes, replace the batteries with new ones. When flashes, the batteries are exhausted and the unit will stop

## operation. Battery life\*

With continuous use, approx. 7.5 hours recording/5 hours playback in the HQ mode, and approx.15.5 hours recording/8.5 hours playback in the SP and LP modes is possible.

\* Using Sony alkaline batteries LR03 (size AAA) \* When playing back through the internal speaker with the medium

volume level The battery life may shorten depending on the operation of the

- · Do not use manganese batteries for
- When you replace the batteries, insert the new ones within 3 minutes after you removed the exhausted ones. Otherwise, the display may show the clock setting display or incorrect date and time when you reinsert the batteries. Ir this case, set the date and time
- The recorded messages and alarm setting, however, will remain. When replacing the batteries, be
- sure to replace both batteries with
- Do not charge dry batteries. When you are not going to use the
- unit for a long time, remove the batteries to prevent damage from
- battery leakage and corrosion. The unit is accessing data while "ACCESS" appears in the display window. Or, the OPR indicator flashes in orange. While accessing do not remove the batteries. Doing so may damage the data.

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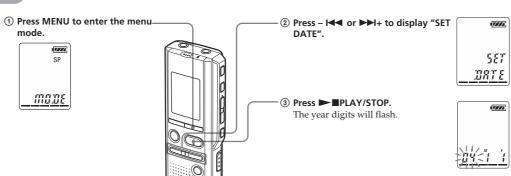
BRTE

display will show the current time

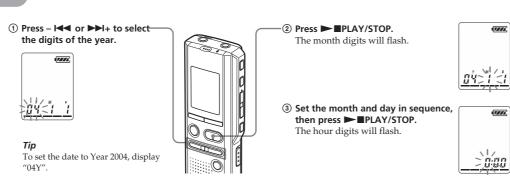
# Step 2: Setting the Clock

Clock setting display appears when you insert batteries for the first time, or when you insert battery after the unit has been without battery for a certain period of time. In this case, proceed from step 2.



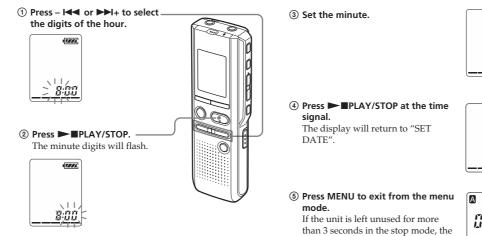


Set the date.



# Set the time.

This unit does not have a power on/off switch. The display is shown at all



## **▶**Basic Operations

# **Recording Messages**

You can record up to 99 messages in each of the four folders (A, B, C, and D). Since a newly recorded message is automatically added behind the last recorded message, you can start recording quickly without searching for the end of the

e.g. Message 1 Message 2 Newly recorded message Blank space

Before making a long recording, be sure to insert new batteries and check the battery

**Select the recording mode.** For how to select the recording mode, see "Changing the

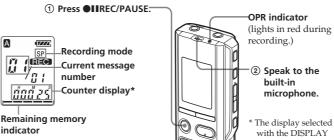
Select the folder.

display the folder in which you wish to record messages.

Press FOLDER to



# Start recording.



You do not need to keep pressing  $\bullet \blacksquare REC/PAUSE$  while recording.

# Stop recording.



If you do not change the folder after you stop recording, the next time you record you will record in the same folder.

Го	Do this
pause recording*	Press •IIREC/PAUSE.  During recording pause, the OPR indicator flashes in red and "PAUSE" flashes in the display window.
release pause and resume recording	Press •IIREC/PAUSE. Recording resumes from that point. (To stop recording after pausing recording, press  STOP.)
isten to the current recording	Press ■STOP to stop recording, then press ■PLAY/STOP.
review the current recording instantly	Press ▶■PLAY/STOP during recording.
elect the microphone ensitivity	You can select the microphone sensitivity by setting MIC SENS. HIGH: To record at meeting or in a quiet and/or spacious place. LOW: To record for dictation or in a noisy place.

# <sup>4</sup> About one hour after you pause recording, recording pause is automatically released

## Note on recording

Noise may be recorded if an object, such as your finger, etc., accidentall rubs or scratches the unit during

# Maximum recording time

The maximum recording time of all the folders is as follows. You can record messages for the maximur recording time in a single folder

	ICD-P110	ICD-P210
HQ*	1 h. 40 min.	3 h. 35 min.
SP**	4 h. 35 min.	9 h. 40 min.
LP***	7 h. 35 min.	15 h. 45 min.

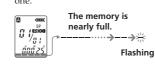
- \* HQ: High quality recording mode
- \*\* SP: Standard play recording mode (monaural sound)
- \*\*\*LP: Long play recording mode

## • To record in better sound quality, select the HQ mode. For switching the recording mode, see "Changing

- the Recording Mode" on the reverse Before making a long recording, be sure to check the battery indicator
- The maximum recording time and the number of messages you car make varies depending on the conditions of use.
- When you record messages in the mixture of HO, SP and LP mode, the between those for the HQ and LP

## Remaining memory indication

During recording, the remaining memory indicator decreases one by



When the remaining time of recording reaches 5 minutes, the last one of the indication flashes. If the remaining recording time display mode is selected. "REMAIN" will also flash when the remaining time reaches 1 minute. When the memory is full, recording automatically stops and "FULL" will flash in the display window with an alarm sound. To continue recording, first erase some of the messages.

- If you press ●IIREC/PAUSE when the memory is full, "FULL" will flash with an alarm sound. Erase some of the messages before you start
- recording again. If you press ●IIREC/PAUSE after you have recorded 99 messages, "FULL" will flash with an alarm sound. Select another folder or erase

## some of the messages. Starting recording automatically in respons to the sound — Advanced

**VOR function** When VOR (voice operated recording) is set to ON in the menu recording starts when the recorder detects sound. ("VOR" is displayed



Recording stops when no sound is heard. ("VOR PAUSE" flashes in the display window.)

VOR function is affected by the sound around you. Set the MIC SENS to HIGH or LOW. If recording is not satisfactory after you have changed the microphone sensitivity, or for important recording, set VOR to OFF.

# Playing Back Messages

**Select the message number.** 

\* The display selected with the DISPLAY button appears (see the reverse side).

00

After playing back one message, the unit stops at the beginning of the next

side), the unit stops after playing all messages in a folder

message. When the continuous play function is set to "ON" (see the reverse

When the last message on a folder has been played back, the unit stops at the

Connect an ear receiver or headphones (not supplied) to the EAR jack. The built-

Do this

 $^{\ast}\,$  These operations are for when EASY-S (Easy Search function) of the menu is set to

Start playback.

When playing back a previously recorded message, start from Step 1 When playing back a message you have just finished recording, start from Step 3.

Select the folder.

Press FOLDER to display

the folder you wish to

display the desired

- I◄ : for smaller

message number

▶►I+: for larger

message number

① Press ►■PLAY/STOP.

1 # 3/<sub>#5</sub> -

Counter display (or the

selected display mode)

beginning of the last message

For private listening

Other operations

stop at the current position

go back to the beginning

skip to the next message

messages/skip to succeeding

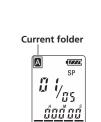
go back to previou

messages

of the current message

message number.

play back.



message a folder <u>dand and</u> Counter display\*

EAR jack

OPR indicator

playback.)

- STOR

Press ►■PLAY/STOP or ■STOP.

To resume playback from that point,

press ►■PLAY/STOP again.

Press - I or ▶►I+ repeatedly

pressed to skip the messages

(During stop mode, keep the button

Press - I once.

Press ▶► once.\*

(lights in green during

② Adjust the volume

You can select the contir

# Searching forward/

(Cue/Review) To search forward, keep ▶▶ + pressed during playback and release the button at the point you

pressed during playback and release the button at the point you wish to resume playback.

During cue/review, the counter will be displayed, regardless of the

of the last message, "END" flashes 5 times. (You cannot hear the playback sound.) If you keep – 🖊 pressed while "END" is flashing, the messages are played back rapidly, and normal playback will start at the point you elease the button.

stop at the beginning of the last If the last message is long and you wish to start playback at a later part of

(For messages other than the last one, go to the beginning of the next message and play backward to the

# Locating quickly the point you wish to start playback

When EASY-S is set to "ON" in the menu, you can quickly locate the point playback or playback pause.

## Playing back a message repeatedly — Repeat Play

▶■PLAY/STOP for more than

"

" will be displayed and the

selected message will be played back repeatedly. To resume normal playback, press ► ■PLAY/STOP again. To stop playback, press ■STOP.

## Playing back all messages in a folder continuously — Continuous Play

mode with the CONT in the menu When you set CONT to ON, you can play back all messages in a

# backward during playback

wish to resume playback. To search backward, keep – ►

If you keep ▶►I+ or – ► pressed, the unit starts to search at higher

display mode setting. When fast playback is done to the end

When "END" stops flashing and the OPR indicator goes off, the unit will

the message, keep ▶▶I+ pressed to play back the message to the end and then press – ► while "END" is flashing to go back to the desired

desired point.)

# (Easy Search)

you wish to start playback by pressing You can go back approx. 3 seconds by pressing – ► once, or advance rox. 10 seconds by pressing ▶▶1+ once. This function is useful when locating a desired point in a long recording. For details, see "Locating

quickly the point you wish to start

playback (Easy Search)" on the

verse side.

# **Erasing Messages**

You can erase the recorded messages one by one or all messages in a folder at a Note that once a recording has been erased, you cannot retrieve it.

# Erasing messages one by one

When a message is erased, the remaining messages will advance and renumbered so that there will be no space between messages.



Remaining messages are renumbered

1) Press ERASE while playing back the message you want to erase or press ERASE for more than 1 second during stop mode. A beep will sound and the message number and "ERASE" will flash while the first and last 5 seconds of the message is played back 10

2 Press ERASE while the message is being played back. The message is erased and the

stop at the beginning of the



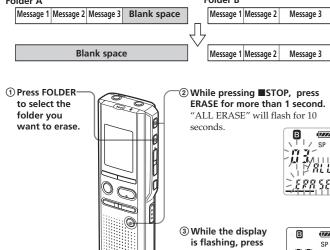
<u>ជីជជី</u> ជជ័

## renumbered. (For example, if you erase Message 3, Message 4 will be renumbered as Message 3. When erasing is completed, the unit will

following message.)

Erasing all messages in a folder

# To cancel erasing Press ■STOP before step ③



To cancel erasing

Repeat steps ① and ②

partially

To erase a message

follow the steps to erase the

To erase other messages

First divide the message and then

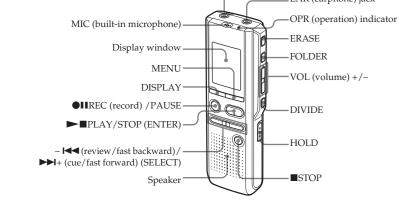
# 

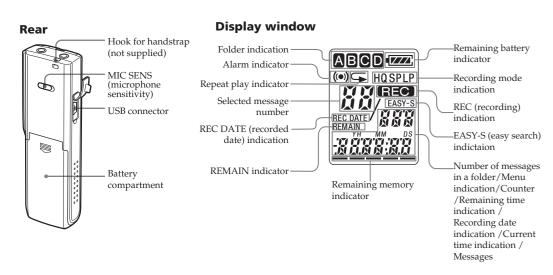
# **△B •**

# ERASE.

# Index to Parts and Controls

## Main unit MIC jack (PLUG IN POWER) \_EAR (earphone) jack -OPR (operation) indicator MIC (built-in microphone) --ERASE Display window -FOLDER





# **▶** Various Ways of Recording

# Adding a Recording

**Using an Adding Recording** 

At a factory setting, you cannot add a recording not to erase the message by accidental operation. If you want to add a recording to a previously recorded message or add an overwrite recording, change the REC-OP setting in the procedures below.

1 Press MENU to enter the menu mane 2 Press – I◀◀ or ▶►I+ to display

"REC-OP" and press ►■PLAY/ STOP. The adding recording window will be displayed.

3 Press – I or ▶►I+ to select "ON" and press ►■PLAY/STOP. The setting is changed.

4 Press – I or ►►I+ to select NN NN "ADD" or "OVER" and press 886 - 88 ■PLAY/STOP. • ADD: adds a recording to a previously recorded message

•OVER: adds an overwrite recording. 5 Press MENU to exit the menu mode.

To prohibit to add a recording In step 3 , select "OFF" and press ▶■PLAY/STOP.

# **Adding a Recording to a Previously** Recorded Message

You can add a recording to the message being played

When "ADD" is selected in the menu

The added recording will be placed after the current message and counted as a part of the message

Message 3 playback of \_ Message 3 After Message 4 Added recording

When "OVER" is selected in the menu

You can add an overwrite recording after the selected point in a recorded message. The part of the message after the selected point is deleted

The starting point of an overwrite recording



Added overwrite recording in Message 3

**1** During playback, press ●**II**REC/ PAUSE briefly. The "REC" indication appears "ADD" or "OVER" will flash and the unit stops in the recording

While the "ADD" or "OVER" flashes, press ●IIREC/PAUSE

The OPR indicator will turn red. An add or

write recording starts. 3 Press ■STOP to stop the recording.

• You cannot add or overwrite a recording if the remaining

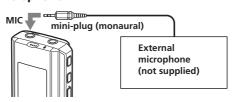
memory is not long enough.

• The added or overwritten portion of a message will be recorded in the same recording mode (HQ, SP, or LP).

# **Recording with an External** Microphone or from Other **Equipment**

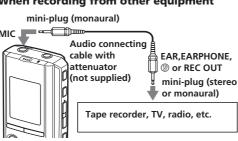
1 Connect a plug-in-power type microphone or other equipment to the MIC (PLUG IN POWER)

When recording with an external microphone



When you connect an external microphone, the built-in microphone is automatically cut off. When a plug in power type microphone is connected, power is utomatically supplied to the microphone from the IC

# When recording from other equipment



**2** Follow the steps in "Recording messages" to record messages.

• Make sure that the plugs are connected securely. We recommend you make a trial recording to check the

· When connecting equipment other than Sony's, refer to the

connections and volume control. instruction manual of the equipment.

## Starting recording automatically in response to the sound — Advanced VOR function

The VOR (Voice Operated Recording) function is activated. Recording starts when the unit detects sound and stops when no sound is heard, eliminating recording from soundless period. VOR OFF: The VOR function is disabled. Normal

recording operation is selected. 1 Press MENU to enter the menu

2 Press – I or ►►I+ to display "VOR" and press ►■PLAY/ STOP. 'OFF (or ON)" will flash

3 Press – I or ▶►I+ to select "ON" or "OFF" and press ► PLAY/STOP. Now the setting is completed.

4 Press MENU to exit the menu mode.

## **▶**Other Functions

## **Dividing a Message**

You can divide a message during recording or playback, so that the message is divided into two and the new message number is added to the divided message. By dividing a message, you can easily find the point you want to play back when you make a long recording such as a

You can divide messages until the total number of messages in the folder becomes 99.

## While recording or playing back a message, press DIVIDE at the point you want to divide.

When you press DIVIDE during recording: The new message number is added at the point you pressed the button, and the new message number and "DIVIDE" flashes for 3 seconds. The message will be divided into two; however, the messages will be recorded without a

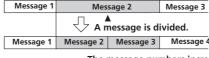


Message 1 Message 2 Message 3 A message is divided. Recording continues

You can divide a message during recording pause.

• When you press DIVIDE during playback: The message is divided into two at the point you pressed the button, and the new message number and "DIVIDE" flashes for 3 seconds. The message numbers of the following messages will increase by one





The message numbers increase

To play the divided message Press – I or ▶ I+ to display the message number as the

F To play the divided messages continuously Select ON for CONT in the menu as described in "Playing Back All Messages in a Folder Continuously".

• If 99 messages have been recorded in a folder, you cannot divide a message. In that case, reduce the number of messages to 98 or less by erasing unnecessary messages or by moving some of the messages to another folder before

• If you divide a message with an alarm setting, the alarm setting remains only with the former message divided.

 You cannot divide a message in the first or the last 1 second. If you divide a message frequently, the unit may become

· Once a message is divided, you cannot combine the divided messages with the IC recorder. To combine messages, use the supplied application software

# **Moving Messages to a Different** Folder — Move Function

You can move the recorded messages to another folder Example: Moving Message 3 in Folder A to Folder B

1 Play back the message you want to move. # 3/25 <u>000</u>03 While playing back the message, press FOLDER to flash the indication of the folder to which you want to move the message (B in this case). The first and last 5 seconds of the message will be played back 10 times, while the folder indication and "MOVE" flash B •

3 Press ►■PLAY/STOP. The message is moved in the destination folder. Messages are sorted in order of the recorded date

To cancel moving the message(s) Press ■STOP before step 3.

The move function does not duplicate a message in another folder. When you move a message to another folder, the one in

# Playing Back a Message at a **Desired Time with an Alarm**

You can sound an alarm and start playback of a selected message at a desired time.

1 Use FOLDER and – I◀◀ / ▶►I+ to select the folder and the message you want to play back.

2 Enter the alarm setting mode. Press MENU.

> and "ALARM OFF" will be (If "ALARM ON" is displayed. the alarm has been set. If you do not wish to change the setting, press MENU and exit the menu mode.)

"ALARM OFF (or ON)" will not appear and the alarm cannot be set if the clock has not been set or no essage has been recorded in the selected folder.

② Press ►■PLAY/STOP.

③ Press – I◄ or ▶►I+ to flash



3 Set the alarm date. To play back on a desired date Press ►■PLAY/STOP while "DATE" is flashing. The year digits will flash.

② Press – I◄◀ or ▶►I+ to select the year digits and press

The month digits will flash. 3 Set the month and day in

To play back once a week Press – I◀◀ or ▶►I+ to select the day of the week.

To play back at the same time every day Press – I◀◀ or ▶▶I+ to select "DAILY".

4 Press ►■PLAY/STOP. The hour digits will flash.

>8:58 -8:58 **5** Set the alarm time. Press – I◀◀ or ▶►I+ to select the hour digits and press ►■PLAY/STOP. The minute digits will flash ② Press - I◄◄ or ▶►I+ to select

the minute digits and press ■PLAY/STOP. 6 Press – I◀◀ or ▶▶I+ to select the alarm sound either from "B-PLAY" (playing back the message after the alarm) or "B-ONLY" (alarm only) and press

"ALARM ON" will be displayed. 7 Press MENU to exit the menu

**■PLAY/STOP.** 



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"(•)" is displayed when the number of the message with alarm setting is selected. At the set time, the alarm will sound for about 10 seconds and the selected message will be played back. (If you have selected "B-ONLY", only the alarm will sound.) During playback, "ALARM" will flash in the display When the playback ends, the unit will stop automatically

To listen to the same message again Press ▶■PLAY/STOP. The same message will be played back from the beginning.

at the beginning of that message

To cancel the alarm setting before the playback starts Press STOP while the alarm sound is heard. You can stop even when the HOLD function is activated.

### **Selecting the Display Mode** You cannot set the alarm if you have not set the clock or there

is no message in the selected folder (the unit will not enter

the alarm setting mode when you press MENU in Step 2).

previously set time on another message, "PRE SET" will be

played back with an alarm, the playback stops and the new

• If the alarm time comes during recording, alarm will sound

for 10 seconds after the recording is finished and playback

· If more than one alarm time comes during recording, only

• When the alarm time comes when the unit is in the menu

• If you erase the message you set the alarm to play back, the

If you divide a message with the playback alarm, playback

. If the alarm time comes during erasing, alarm will sound for

Alarm setting will not be cancelled when the alarm playback

To cancel the alarm setting or change the

1 Select the message you set the alarm to play back, and

3 To cancel the alarm setting: Press – I or ▶►I+ to

► PLAY/STOP. When the alarm date is displayed

follow the steps 3 to 6 above to change the alarm date

Preventing Accidental Operation

Slide the HOLD switch in the direction of the arrow.

-HOLD

"HOLD" will flash three times, indicating that all the

When the HOLD function is activated during stop, all the

display will be turned off after "HOLD" flashes three

Slide the HOLD switch in the opposite direction of the

When the HOLD function is activated during recording, cancel

Even if the HOLD function is activated, you can stop the alarm

playback. To stop the alarm or playback, press ■STOP.

Locating quickly the point you

EASY-S ON: You can quickly locate the point you wish to

EASY-S OFF: You can locate the previous or next message

by pressing – ► or ► + during playback or

mane

<u> ERSÝ'-'S</u>

*ជីជជី ជជ៌* 

start playback by pressing – ◄ or ▶ + during

wish to start playback (Easy

playback or playback pause.

1 Press MENU to enter the menu

2 Press – I or ▶►I+ to display

"OFF (or ON)" will flash.

3 Press – I◀◀ or ▶▶I+ to select

"ON" or "OFF" and press

Now the setting is completed

4 Press MENU to exit the menu

The "EASY-S" indication is displayed

"EASY-S" and press ►■PLAY/

nlavback pause.

10 seconds after the erasing is finished and playback begins.

mode, alarm will sound and the menu mode will be

will stop at the point you divided a message.

finishes. To cancel alarm setting, see below.

"ALARM ON" will be displayed.

4 Press MENU to exit the menu mode.

— HOLD function

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Search)

STOP.

::0

functions of the buttons are locked.

To cancel the HOLD function

the HOLD function first to stop recording.

2 Press ►■PLAY/STOP to flash "ON".

flash "OFF" and press ▶■PLAY/STOP.

To change the alarm date and time: Press

You can adjust the playback volume with VOL +/-

. If you try to set the alarm to play back a message at a

· If the alarm time comes while another message is being

begins. "(\*)" will flash when the alarm time come

displayed, preventing new settings.

the first message will be played back.

nessage will be played back.

alarm setting will be cancelled.

cancelled.

alarm time

press MENU.

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You can select the display mode for the stop, recording and playback modes.

Each time you press DISPLAY, the display mode will change as shown below

> **☞** On the current time display If the unit is left unoperated for more than 3 seconds in the stop mode, the display will 1 1/28 show the current time, regardless of the display mode setting. 8:45

> > Elapsed playback/recording 11 1/28 time in one message recording time (REMAIN): In the playback mode: The remaining time of one message <u>- 73ตีตร์</u>

indication. In the stop and recording mode: The remaining recording time indication. REC DATE / 25 Recorded date (REC DATE)\*: The date the curr

was recorded. Recorded time (REC DATE)\*\*: The time the current message was recorded.

\* If the clock has not been set, "--Y--M--D" will be displayed. 3 Press – I or ▶►I+ to select \*\*If the clock has not been set, "--:-" will be displayed

725

*15:3*5

# To turn off the display

This unit does not have a power on/off switch. The display is shown at all times, which will not almost influence the battery life. To turn off the display, slide the HOLD switch in the direction of the arrow in the stop

"HOLD" will flash for three times and then the display turns off in the window. To turn on the display, slide the HOLD switch in the opposite direction.

# **Turning off the Beep Sound**

BEEP ON: A beep will sound to indicate that operation has been accepted. BEEP OFF: No beep sound will be heard except for the

1 Press MENU to enter the menu

2 Press – I◀◀ or ▶▶I+ to display "BEEP ON (or OFF)" and press ► PLAY/STOP. "ON (or OFF)" will flash.

3 Press – I or ►►I+ to select

"ON" or "OFF" and press **▶**■PLAY/STOP. The setting is completed.

4 Press MENU to exit the menu



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# **Changing the Recording Mode**

HQ: You can record with the high quality sound

SP: You can record with better sound (monaural sound) LP: You can record for longer time (monaural sound).

1 Press MENU to enter the menu made 2 Make sure that "MODE" is

3 Press – I or ►►I+ to select "HQ", "SP" or "LP" and press **▶**■PLAY/STOP.

"SP (or HQ, LP)" will flash.

displayed and press ►■PLAY/

STOP.

Now the setting is completed. 4 Press MENU to exit the menu

The setting becomes effective and the normal screen will be displayed.

If the unit is left unoperated for more than 3 seconds, the display will show the current time and the selected recording mode will be displayed.

# Playing Back All Messages in a **Folder Continuously**

CONT ON: You can play back all messages in a folder

CONT OFF: Playback stops at the end of each message. 1 Press MENU to enter the menu

3 Press – I◀◀ or ▶►I+ to select "ON" or "OFF" and press **▶**■PLAY/STOP. Now the setting is completed.

# Turning off the OPR Indicator

indicator lights or flashes. You can set the OPR indicator

1 Press MENU to enter the menu mode.

STOP. "ON (or OFF)" will flash

Now the setting is completed.

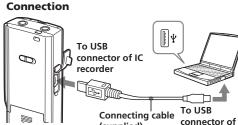
# **Using the "Digital Voice Editor" Software**

supplied USB cable, you can use the "Digital Voice Editor" software to do the following: · Saving the IC recorder messages on your computer's

• Transferring the PC messages back to the IC recorder.

• Sending a voice e-mail message using MAPI e-mail For the details, see the supplied "Digital Voice Editor 2"  $\,$ 

software operating instructions.



Recording media

4 hours 35 minutes LP: 7 hours 35 minutes

LP: 15 hours 45 minutes 250 Hz - 6,800 Hz HO:

Speaker approx. 2.0 cm  $\binom{13}{16}$  in.) dia.

Input/Output • Earphone jack (minijack) for 8 - 300 ohms ear

Plug in power num input level 0.6 mV

3 kilohms or lower impedance microphone USB connector

Dimensions (w/h/d) (not incl. projecting parts and

60 g (2.1 oz) Supplied accessories

> Electret Condenser Microphone ECM-C10, ECM-DM5P, ECM-Z60, ECM-TL1 (for telephone recording)

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed

Design and specifications are subject to change without

made

Press – I◀◀ or ▶▶I+ to display "CONT" and press ►■PLAY/ STOP. "OFF (or ON)" will flash

4 Press MENU to exit the menu mode.

# (LED) During recording and playback, the OPR (operation)

to turn off even in operation.

2 Press – I◀◀ or ▶▶I+ to display "LED " and press ►■PLAY/

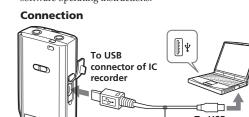


your computer

4 Press MENU to exit the menu mode.

# By connecting the IC recorder to your computer with the

· Playing or editing the messages on your computer.



**Specifications** 

Built-in flash memory 16MB (ICD-P110)/32MB (ICD-P210), Monaural recording

ICD-P110 HO: 1 hour 40 minutes

HQ: 3 hours 35 minutes 9 hours 40 minutes

SP/LP: 220 Hz - 3,400 Hz

250 mW

•Microphone jack (minijack, monaural)

Two LR03 (size AAA) alkaline batteries: 3 V DC

 $30.0 \times 103.5 \times 16.0 \text{ mm} (1^{3}/_{16} \times 4^{1}/_{8} \times {}^{21}/_{32} \text{ in.})$ 

Mass (incl. batteries)

Operating instructions (For the IC recorder (1)/  $\,$ For the application software (1))/LR03 (size AAA) alkaline batteries (2) (For the U.S.A. and U.K. only)/USB connecting cable (1) Application software (CD-ROM) (1)

Audio connecting cable RK-G64HG /RK-G69HG (excluding Europe) Active speaker SRS-T88, SRS-T80

information